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Encl. #2 to

Proposal: [REDACTED]
January 15, 1957

SAPC 12791
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EXHIBIT B
PRELIMINARY LIST OF SPARE PARTS
AND FABRICATED COMPONENTS TO BE
STOCKED FOR SYSTEM 3

25X1A

1. Fabricated Parts

<u>Description</u>	<u>Quantity</u>
Stud	25
Bracket	15
Heat sink	15
P.C. Board	25
Shim	25
Spring	25
Support Channel	15
Clamp	25
Heat sink	40
P.C. Board	25
Support Channel	25
Support Angle	25
Spring	25
Shim	100
Spacer	500
Clip (54 on -04A)	300
Insulating Pad	50
P.C. Board	25
P. C. Board	25
Heat Sink	25
Clip (12 on -04A)	150
Resistor Foil	100
Resistor Foil (18 on -04A)	300
Resistor Foil (6 on -04A)	200
Spring	25
Shim	100
Support Channel	15
P.C. Board	50
Support Channel	25
Spring	50
Shim	100
Heat sink	25
P.C. Board	50
Bracket	15
J - Box	5
Cover	15
Bracket	15
Can	15

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<u>Description</u>	<u>Quantity</u>
Backing Plate	200
Can	25
Spade Lug	400
Can	50
Cup Housing	15
Screen	25
Gasket	25
Gasket	25
Bracket	15
Cover	15
Spacer	50
Cap	50
Insert	40
Insert	60
Gasket	25
Shield	105
Pin	75
Choke	20
Transformer	25
Cover Assy. Top	5
Cover Assy. Bottom	5
Bracket	50
Gasket	25
Shim	25
Channel (or R. S. No. 8121-1001)	25
Spring	50
Label	50
Choke (3 on -04A)	60
Coil	25
I. F. Transformer	105
Choke R. and S.	50
Spring	40
Switch Wafer	25
Shim	60
Spring	40
P. C. Board	50
Heat sink	25
Channel	25
Bracket	25
Spring	50
Shoulder Screw	50
Coil	270
Can	100
P. C. Board R. and S.	50
Heat Sink R. and S.	25
Labels	1000
Nameplate	25
Nameplate - Warning	25

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<u>Description</u>	<u>Quantity</u>
Filter	15
Gasket	25
Spacer	100
Captive Screw	200

2. Electronic Components

<u>Description</u>	<u>Quantity</u>
Capacitor - CY 15C 471K Erie	25
Capacitor - CY 15C 122J Erie	200
Capacitor - CY 10C 241F	25
Capacitor - CY 10C 241K	50
Capacitor - CY 10C 221J	25
Capacitor - CY 15C 391K	25
Capacitor - CY 20C 202K	25
Capacitor - CY 20C 242J	25
Capacitor - CC 21CF 8R2D	25
Capacitor - CY 15C 561J	15
Capacitor - CY 10C 180J	10
Capacitor - CY 10C 680F	50
Capacitor - CY 10C 240J	25
Capacitor - CY 10C 680J	25
Capacitor - CY 10C 101F	50
Capacitor - CY 15C 681F	50
Capacitor - CY 15C 102K	25
Capacitor - CY 15C 122K	50
Capacitor - CY 10C 100J	50
Capacitor - CY 10C 200J	25
Capacitor - 615G 10392 Good-All	50
Capacitor - 615G 33293 Good-All	50
Capacitor - 615G 47352 Good-All	25
Capacitor - 615G 15492 Good-All	25
Capacitor - 615G 10502 Good-All	25
Capacitor - 96P4729 1S2 Sprague	75
Capacitor - 96P1339 2S2 Sprague	25
Capacitor - IK 2682K Hy-Therm	25
Capacitor - Ceramic Disc Type K-1200 Erie	25
Capacitor - Ceramic Disc Type K-1200HA	25
Capacitor - Ceramic Disc Type CN-750	50
Capacitor - With Plug in RMC Type JL	100
Capacitor - StackPole Type GA Erie	25
Capacitor - TCZ-3.3 CC20 Centralab	50

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<u>Description</u>	<u>Quantity</u>
Capacitor - Stackpole Type GA Erie	75
Capacitor - TCZ-6.8 CC 20 Centralab	10
Capacitor - Stackpole Type GA Erie	10
Capacitor - Stackpole Type GA Erie	40
Capacitor - XTL-8A Mallory Tant.	30
Capacitor - Ceramic Standoff MRC No. 507	50
Capacitor - Type 407 C Sprague	50
Capacitor - IK4473K - Hopkins	20
Capacitor - CC21CF8R2D 8.2 MMF-5MMF	25
Capacitor - N750 TCN-15	25
Resistors - RC 20 GF 683J	40
Tube - 6021	200
Transistor - 903	100
Diode - 601C Texas Instrument	150
6299 MIL-E-1/484	10
Diode - IN 341 Power Transatron	25
Diode - 6008 Hughes	75
Diode - 6009 Hughes	1000
Choke - 10100-22 Jeffers	50
Choke - 10100-30 Jeffers	20
Choke - 10100-24 Jeffers	10
Choke - 10100-20	20
Choke - 32000-1 Fenwall Thermo-stat	10
Relay - No.1R 207A North	10
Relay - No. 9230 Leach	10
Switch - MP-701 Mach. Prods.	15
Switch - MP-703 Mach. Prods.	10
Fuse - No. 31301.5 Little Fuse Co	50
Fuse Holder - No. 342003 Little Fuse Co.	25
Variductor - HVC-7	10
Crystals - Type BX MIL-MS91377	160
Crystals - Type MIL-18 550 CF010F C Midland, Series Pesonant	50
Connector - KM-21S-SK3206	15
Connector - KM-14S-SK3206	5
Connector - AN 3102A-24-28P	5
Connector - AN 3102A-24-28S	5
Connector - AN 3102A-20-27S	5

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<u>Description</u>	<u>Quantity</u>
Connector - AN 3102A-20-29SW	5
Connector - AN 3102A-20-27P	5
Connector - AN 3106E-24-28P	5
Connector - AN 3106E-20-29PW	5
Connector - AN 3108E-20-27S	5
Connector - AN 3106E-20-27P	5
Connector - UG 88B/U	5
Connector - 165-26-1000	5
Connector - UG 89B/U	5
Connector - 165-27	5
Plug - MRE 7S-GF/VL	5
Plug - MRE 7 PG	5
Plug - MRE 21SG	5
Hood - MRE-7H	5
Hood - MRE-21H	5
Clamp - AN3057-12	5
Clamp - AN3057-12A	5
Clamp - AN3057-16A	5
Bushing - AN3420-8	10
Bushing - AN3420-10	10
Bushing - AN3420-12	10
Bushing - AN3420-16	10
Coil Form - Stackpole Dr. 125 x 3/8"	20
Coil Form - C. T. C. PLST sC4 L/H	20
Coil Speer - CFBR. 125x3/8 Phenalie	20
Coil Speer - CFBR. 25 x 1/2	50
Coil - Stackpole Dr. 156 x 3/8	25
Lug Assembly - X-2021-2L	20
Coil Form - PLST-2C2L	70
Lug Assembly - X-2021-1L	70
Slug - with flatted end No. 20063-P	50
Assorted Hardware	\$500.00

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EXHIBIT A
PRELIMINARY LIST OF SPARE PARTS
AND FABRICATED COMPONENTS TO BE
STOCKED FOR SYSTEM 1

25X1A

1. Parts for Airborne Recorder MP 10737

<u>Description</u>	<u>Quantity</u>
Frame	1
Bushing	15
Bushing-Reel	30
Support-Reel	15
Bracket-Left	5
Bracket-Right	5
Bracket-Plug 7 Pin	5
Bracket-Plug 21-Pin	5
Cover-Plug 7-Pin	5
Cover-Plug 21-Pin	5
Spacer Plug	20
Nut Solenoid	15
Bracket Solenoid	8
Spring-Jam Roller	25
Rod-Solenoid	10
Sleeve-Jam Roller Linkage	15
Lead Screw - Jam Roller	20
Retainer-Reel	25
Spring-Clip	40
Support Guide	15
Guide-Tape	25
Washer	220
Reel Assembly	50
Shield Capstan Drive	5
Felt Washer	50
Washer	50
Lever Assembly	5
Spherical Washer	8
Arm Sub Assembly -- J	
Roller	5
Shaft	5
Roller	20
Bearing	20
Shaft	20
Washer	20
Spring Jam Roller	25
Spring	25

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<u>Description</u>	<u>Quantity</u>
Mount Bracket	5
Mount Bracket	5
Spacer Filter	30
Plate Mount Filter	5
Clamp Cable	15
Bracket Cable	10
Clamp Cable	15
Assembly Plate	13
Reel Guide Assembly	30
Spring	20
Spacer	20

2. Parts for Reel Drive Assembly MP 10184 and MP 10168

<u>Description</u>	<u>Quantity</u>
Case	5
Cover	20
Bearing	30
Plate-Top	5
Plate-Bottom	5
Gear (Worm)	50
Motor	50
Worm	25
Guide Pin	10
Spring	25
Gear	10
Idler Arm	10
Compound Gear	10
Bushing	25
Shaft	25
Idler Gear	10
Bushing	25
Shaft Idler	10
Retaining Arm	10
Pin Shoulder Rivet	25
Bracket Adjust	6
Shaft	5
Spring Ret.	26

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3. Parts for Capstan Drive Assembly MP 10135

<u>Description</u>	<u>Quantity</u>
Bearing Top	20
Bearing Bottom	20
Capstan Support	6
Washer-Keyed	30
Spacer	25
Capstan Shaft	6
Capstan Drive Wheel Assembly	6
Decal	20

4. Parts for Transition Assembly MP 10016

<u>Description</u>	<u>Quantity</u>
Plate Mounting	5
Transition Sub Assembly	25
Support Guide-Upper	5
Support Guide - Lower	5
Washer	40
Guide Tape	60
Washer	200

5. Parts for Heater Cover MP 10895

<u>Description</u>	<u>Quantity</u>
Cover	25
Bracket	200
Screw	400
Spacer	15
Bolt Assembly	15
Spacer	30
Cover	30
Bracket	15
Case Assembly	15
Heater	25

6. Parts for Loop Arm Assembly MP 10041 and MP 10046

<u>Description</u>	<u>Quantity</u>
Base Plate	5
Board Mounting	5
Assy. Commutator Board	10
Block-Resistor	4
Spacer	20
Arm	10

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<u>Description</u>	<u>Quantity</u>
Shaft	10
Bearing and Spacer	10
Assy. Large Gear	10
Assy. -Contact and Leaf Spring	10
Assy. Small Gear	10
Assy. Contact Bracket and Bushing	10
Insulation Pad	10
Contact Strip	10
Bushing Screw Insulation	30
Spring-Counter Balance	10
Brush	200
Strip Insulation	6
Assy. Contact Arm	3
Spring Counter Balance	5
Roller Tape Guide	15
Spacer	10
Plate Nut	4
Shaft-Roller	4
Standoff Contact	4
Washer	50
Spring Assembly	5
Spring	10

7. Parts for Magnetic Head Assembly MP 10087

<u>Description</u>	<u>Quantity</u>
Assy. Mag Head-Erase	10
Assy. Mag Head-Record	15
Assy. Mag Head-Playback	15
Plate Head Mounting	25
Name Plate Indicator	5
Tape Guide Pins (Erase)	15
Tape Guide Pins (Playback)	15
Spring-Head A-D-J	30
Spring-Plunger	20
Plate Guide	5
Knob-Plunger	5
Plug-Spring Retainer	10
Block-Plunger Mt'g	5
Plunger Shaft	10
Shaft-Shield Cover	10
Pin-Cover Shaft	10
Support Tape Guide Bracket	10
Link-Cover	5
Lever Arm (Weld Assy.)	5

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<u>Description</u>	<u>Quantity</u>
Head Shield Assy.	25
Housing Shield	2
Guide Pin	5
Mounting Plate	2
Bearing	20
Nut Plate Assy.	25

8. Parts for Capstan Drive Assembly MP 10048

<u>Description</u>	<u>Quantity</u>
Motor and Filter Assy.	50
Shield Can Top	8
Shield Can Bottom	8
Clamp-Cable	16
Shaft-Stationary	5
Collar	5
Flywheel	4
Spring	10
Motor Support	4
Mounting Stud Double	2
Mounting Stud Single	2
Bracket Spring ADJ	5
Spring Stop	2
Spacer	2
Spring Assembly	10
Clamp Spring	4
Set Screw	15

9. Parts for Recorder Circuit Board MP 10001

<u>Description</u>	<u>Quantity</u>
P. C. Board	4
Spacer-Board	25
Strap H. S.	6
Spacer Support	15
Clamp Coax Wire	6
Shield Cup	16
Strap-Crystal Support	20

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10. Parts for S Band Antenna MP 10922

<u>Description</u>	<u>Quantity</u>
Unipole Weld Assembly	8
Insert-Plain Tube	8
Rod Center Conductor	8
Choke-Main Tube	8
Unipole-Horizontal Lower	8
Reflector Antenna	8
Connector-Main Tube	8
Sleeve Conductor ADJ	8
Window	8
Bushing	8
Waveline Crystal Holder	8
Crystal (Microwave)	15

11. Parts for X Band Antenna MP 10308

<u>Description</u>	<u>Quantity</u>
Reflector Antenna 6.2"	8
Assy. -- Dipole	8
Flange Wave Guide	8
Waveline Crystal Holder	8
Crystal (Microwave)	15

12. Electronic Components

<u>Description</u>	<u>Quantity</u>
Capacitor-Silverlytic	100
Capacitor P123ZNG	150
Capacitor-Disc Ceramic No. 816-.02	60
Capacitor Etched Foil	30
Capacitor Silver Mica	50
Capacitor CM-30-622	20
Capacitor 100 VDC-Vitamin Q	20
Capacitor Silver Mica DM-19	20
Capacitor Disc Ceramic No. 821-.01	40
Capacitor Disc Ceramic No. 81-.0008	20
Capacitor Tantalytic GE29F410	15
Crystal-Heemco Type 8J20SS	25
Coil-Toroid-Type EM-14 (Encapsulated)	90
Coil-Toroid 1922-1 or 1923-2	10
Resistor No. 120-15-20000(Trimpot)	10
Resistor Wirebound	30
Resistor Carbon	5
Resistor Blue Jacket	10
Transistor-Silicon	60
Tube Subminiature	100

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25X1A

STATEMENT OF WORK
STOCK OF SYSTEM 1 AND 3 SPARE PARTS FOR
CONTRACTOR REPAIR AND RETROFIT WORK

The Contractor proposes to provide the engineering, labor, facilities, and materials necessary to perform the following work:

1. Procure, inspect, and store a stock of spare parts and fabricated components in general accord with the accompanying preliminary list, Exhibit A, CMCC 1131X5.70, to be used in the repair and retrofit of System 1 equipment.
2. Procure, inspect, and store a stock of spare parts and fabricated components in general accord with the accompanying preliminary list, Exhibit B, CMCC 1131X5.86, to be used in the repair and retrofit of System 3 equipment.

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**COST ESTIMATE
STOCK OF SYSTEM 1 AND 3 SPARE PARTS FOR
CONTRACTOR REPAIR AND RETROFIT WORK**

1. Parts for System 1

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25X1A

Labor Hours Rate Amount

Engineering
Test and Inspection

25X1A

Overhead Expense at [REDACTED]

Material

25X1A

General and Administrative
Expense at [REDACTED]

Estimated Cost

2. Parts for System 3

25X1A

25X1A

Labor

Engineering
Test and Inspection

25X1A

Overhead Expense at [REDACTED]

Material

25X1A

General and Administrative
Expense at [REDACTED]

Estimated Cost

TOTAL ESTIMATED COST

25X1A

TOTAL ESTIMATED COST INCLUDING FEE

Note: This cost estimate is based on the accompanying list of spare parts but the Contractor proposes to exercise his discretion in the specific parts and quantities actually purchased.

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CROSS REFERENCE SHEET

Para K.3.b

- See -

Para K.2.b.

TAB